

A-6120

RS-5000 ControlLogix Function Block Diagrams

Course Description	<p>This 16-hour training program is for those familiar with Allen-Bradley ControlLogix controllers, but not familiar with Function Block Diagrams. In this course students will learn how to program, interpret, and troubleshoot ControlLogix programs written with Function Block diagrams.</p>
Topical Outline	<ul style="list-style-type: none">• Definition of a Function Block• Function Block Diagrams in ControlLogix• FBD Basic Boolean Functions• Basic Boolean Function Exercise• FBD Timers and Counter Functions• Timer and Counter Exercise• FBD Math Functions• Math Function Exercise• FBD Compare Functions• Entering a Simple LIM Compare Exercise• FBD Filter Functions• FBD Enhanced PID Function• PIDE Simulation Exercise• FBD Software Utilities
Programming Software	<p>Training utilizes Rockwell Software RSLogix5000, Microsoft Windows NT, 2000 and XP Software.</p>
Prerequisites	<p>Students should have successfully completed Intellect Controls Group training program A-6000 or have knowledge equivalent to the course description and be familiar with Windows NT, 2000 or XP software. It is also recommended that the A-6200 training program be completed as well.</p>
Course Length	<p>2 days/16 hours</p>
CEU's	<p>1.4</p>
Objectives	<p>Persons successfully completing this course will be able to:</p> <ul style="list-style-type: none">• Enter routines using Function Diagram Blocks• Interpret Function Block Diagram Routines• Troubleshoot Function Block Diagrams and I/O associated with them.